SCAL XKBD SCAL 74H RST 18H;DEFB 74H DF 74

XKBD is the handler for input from an external serial device. Individual bits of workspace location \$XOPT (OC28) determine the characteristics of the handler: these are shown on the following flowchart.

```
XKBD
                            444
                   Scan serial input port.
                  < Character received ? >---- Return.
                            1 Yes
                                       No
                      Strip parity bit,
           ie. make bit 7 of input character a zero.
                   ---< $XOPT, bit 5 >-----
                    ::: (1
                              .... 1
Output character
to serial port
with parity determined
by $XOPT bit O.
                       < $XOPT bit 1 >------
                            1=0 =1
                     If character is CR,
                     and $XOPT bit 4=0,
              then output a LF to serial port. I
                    < Is character NUL ?>-----
                            I No Yes
                    < Is character ESC ?>-----
                            I No Yes
                     Set $XOFT bit 7,
                   so that next character .
                     to XOUT will not
                  actually be transmitted.
                             [<-----
                      Set Carry flag.
                            1
                         Return.
```